

## Contents of volume 44

### Research Papers

Experimental verification of horizontal two-dimensional modified mild-slope equation model K.D. Suh, C. Lee, Y.-H. Park and T.H. Lee . . . . .	1
Vortex generation and evolution in water waves propagating over a submerged rectangular obstacle Part I. Solitary waves K.-A. Chang, T.-J. Hsu and P.L.-F. Liu . . . . .	13
Effect of the kelp <i>Laminaria hyperborea</i> upon sand dune erosion and water particle velocities S.M. Løvås and A. Tørum . . . . .	37
Quantification of swash flows using video-based particle image velocimetry K.T. Holland, J.A. Puleo and T.N. Kooney . . . . .	65
Cross-shore distribution of longshore sediment transport: comparison between predictive formulas and field measurements A. Bayram, M. Larson, H.C. Miller and N.C. Kraus . . . . .	79
Sand ripples generated by regular oscillatory flow T. O'Donoghue and G.S. Clubb . . . . .	101
Laboratory experiments for wave motions and turbulence flows in front of a breakwater T. Sakakiyama and P.L.-F. Liu . . . . .	117
Reflection of irregular waves from perforated-wall caisson breakwaters K.D. Suh, J.C. Choi, B.H. Kim, W.S. Park and K.S. Lee . . . . .	141

### Review Paper

Scour around coastal structures: a summary of recent research B.M. Sumer, R.J.S. Whitehouse and A. Tørum . . . . .	153
---	-----

### Research Papers

Morphological changes of the Haringvliet estuary after closure in 1970 I.E. Tönis, J.M.T. Stam and J. van de Graaf . . . . .	191
Simplified higher-order Boussinesq equations I. Linear simplifications A.B. Kennedy, J.T. Kirby and M.F. Gobbi . . . . .	205
Limiting criteria of permanent progressive waves S. Abohadima and M. Isobe . . . . .	231
Linear waves propagating over a rapidly varying finite porous bed R. Silva, P. Salles and A. Palacio . . . . .	239

### Technical Note

Polynomial approximations for Fresnel integrals in diffraction analysis M.E. McCormick and D.R.B. Kraemer . . . . .	261
--	-----

### Discussions

Comments on "Forced and self-organized shoreline response for a beach in the southern Baltic Sea determined through singular spectrum analysis" [Coast. Eng. 43 (2001) 41–58] D.E. Reeve . . . . .	267
Reply to the comments on "Forced and self-organized shoreline response for a beach in the southern Baltic Sea determined through singular spectrum analysis" [Coast. Eng. 43 (2001) 41–58] G. Różyński . . . . .	271

Reply to reply to comments on "Forced and self-organized shoreline response for a beach in the southern Baltic Sea determined through singular spectrum analysis" [Coast. Eng. 43 (2001) 41-58] D.E. Reeve .....	273
<i>Research Papers</i>	
An investigation of the velocity field under regular and irregular waves over a sand beach J.C. Doering and A.J. Baryla .....	275
Transport of waste heat from a nuclear power plant into coastal water P. Zeng, H. Chen, B. Ao, P. Ji, X. Wang and Z. Ou .....	301
Application of wavelet transform analysis to landslide generated waves A. Panizzo, G. Bellotti and P. De Girolamo .....	321
Stem waves along vertical wall due to random wave incidence H. Mase, T. Memita, M. Yuhi and T. Kitano .....	339
<i>Contents of volume 44</i> .....	351

